PUBLIC DISCLOSURE DOCUMENT

Title: Modular Oud Heating Systems for Ritual, Meditation, and Perfume Use
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⚡ Problem Statement

Oud is one of the most prized aromatics globally, used in cultural, spiritual, and meditative contexts. Traditional methods of heating oud include:

- **Japanese Kōddo:** Refined but time-consuming. Requires ash beds, mica plates, and careful temperature management. Often produces too subtle a scent for modern users.
- **Arabic Bukhoor:** Intense but uncontrolled. Burning directly on coal often leads to acrid smoke, wasted oud, or inconsistent fragrance.
- **Meditation Practices:** Typically use either of the above, but both are too elaborate or overwhelming for personal, daily use.

The need is clear: a modern, modular oud heating system that is **clean, portable, easy to use, and precisely controlled**.

🔧 Invention 1: Variable Ring Coal Sizing for Custom Heat Matching

Description:

Custom-sized ring coals matched with heat-retaining inserts (mica, lava rock, or similar) to provide the ideal temperature curve based on incense type, size, and setting. The ring-shaped coal allows for **radial heat distribution**, which is especially effective when the incense or oud chip is placed in the center, either directly or mounted on a plate.

Design Rationale:

- **Optimizes temperature** for different incense types (Kyara, sandalwood, farmed oud, etc.)
- **Controls burn duration** by adjusting coal size and material
- **Radial heating** ensures even vaporization regardless of chip shape or density
- Creates predictable scent performance across settings

Heat Profiles and Sizes:

Use Type	Temperature Range	Coal Size (OD × H)	Outcome
Gentle Kyara Sniffing	180–210°C	30–35 mm × 12 mm	Subtle, pure vapor, almost smokeless
Shared Table Scent	210–230°C	38–42 mm × 15–18 mm	Moderate projection, noticeable presence
Arabic Style	240–280°C	45–50 mm × 20 mm	Room-filling, powerful scent trail

Real-Life Use Cases:

- **Custom ritual kits** for home or commercial settings
- **Therapeutic aroma design** for clinics, yoga, or spa environments
- **Commercial lines** offering temperature-controlled incense tools
- **Luxury incense clubs** selecting personalized coals for events

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🔥 Invention 2: Ring Coal with Embedded Heat Plate

Description:

A donut-shaped ring coal with an internal heat plate (mica, lava rock, or similar) embedded 2/3 of the way down **inside the central hole**, or alternatively **mounted at the bottom** of the ring. A

small central **pin or needle** is optionally embedded into the plate to hold the incense chip directly. Various coal materials can be used: self-igniting, coconut, or traditional Japanese-style.

Design Rationale:

- **Radial heating** surrounds the incense from all sides
- Plate placement options (inside hole or below) provide flexibility
- The central pin improves incense positioning and consistency
- Reduces ash contact and maximizes aroma purity

Material Variations:

- **Mica plate**: fast response, good for quick aromatic sessions
- **Lava stone**: retains warmth for longer sessions or cooler climates

Use Profiles:

Coal Type	Best Suited For	Burn Time
Self-Igniting	Meditation, quick solo use	30–35 min
Coconut	Group or ritual events	35–45 min
Japanese Kōddo	Ceremonial sniffing use	30–40 min

Real-Life Use Cases:

- **Solo meditation** with minimal setup
- **Cultural experiences** such as Bukhoor or Kōddo
- **Luxury product lines** offering artisanal incense accessories
- **Personal incense crafting studios**

📦 Invention 3: Self-Igniting Oud Cartridge

Description:

An **all-in-one cartridge** that includes:

- A self-igniting ring coal
- A mica or lava rock plate integrated **within the ring's center** or mounted at the base
- A central incense chip (oud, frankincense, sandalwood, etc.) mounted using a pin or wire (no glue)

Ignite with a lighter, and it works immediately.

Design Rationale:

- **Fully self-contained** unit, no placement or accessories needed
- **Radial heating** ensures even diffusion from chip center
- **Fast, clean ignition** without contamination
- Supports quick personal use or luxury rituals

Dimensions:

- **Width:** 15–20 mm
- **Height:** 5–10 mm
- **Ignition time:** ~3 seconds

Real-Life Use Cases:

- **Portable incense sessions** at outdoor retreats or spas
- **Daily mindfulness rituals** without full setup
- **Luxury gifting item** preloaded with premium wood

- **Spiritual retreats** or hotel in-room rituals

🏠 Invention 4: Mica Plate Table Burner

Description:

A reusable tabletop burner featuring a heat plate (mica or similar) mounted on a base with airflow channels. Can hold raw incense or cartridges. Includes a central pin to secure wood.

Design Rationale:

- **Elegant, reusable base** for incense presentation
- **Stable airflow** to maintain even heating
- **Supports multi-purpose use**: standalone or with cartridges

Dimensions:

- **Base Plate Diameter:** 60–80 mm
- **Disc Diameter:** 20–25 mm
- **Pin Height:** 3–5 mm

Real-Life Use Cases:

- **Kōddo ceremonies** or formal incense tasting
- **Long-duration rituals** or temple use
- **Luxury home décor** with live scent diffusion
- **Scent sommeliers or curators** evaluating oud profiles

💿 Invention 5: Drop-In Mica + Oud Cartridges for Ring Coals

Description:

A small cartridge combining a mica (or similar) plate and a pre-mounted oud chip. Designed to be:

- **Dropped directly into the central hole** of a ring coal
- Or **used as a base unit**, where the oud and plate sit underneath, and the coal ring is placed on top

In both placements, heat is transferred either upward from below or inward from radial walls. The cartridge includes a central pin or wire to secure the chip.

Design Rationale:

- Enables **reversible usage**: above or below coal
- Simplifies setups compared to traditional ash beds
- **Maximizes aromatic retention** via central pin and even heat

Dimensions:

- **Disc Width:** 20 mm
- **Thickness:** 3–5 mm
- **Chip Attachment:** Manual pin or wire mounting

Real-Life Use Cases:

- **Japanese-style incense games**
- **Travel incense rituals** for monks or perfumers
- **Simplified sacred space setups** for home or temple use

- **Education kits** for incense training schools

✅ Legal Disclosure

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